

For Research Use Only

# Recombinant Human CD9 protein (hFc Tag)



Catalog Number: Eg1080

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
hFc Tag

## Technical Specifications

**Purity:**

>90 %, SDS-PAGE

**Endotoxin Level:**

<0.1 EU/  $\mu$ g protein, LAL method

**Source:**

HEK293-derived Human CD9 protein Ser112-Ile195 (Accession# P21926) with a human IgG1 Fc tag at the N-terminus.

**GeneID:**

928

**Accession:**

P21926

**Predicted Molecular Mass:**

36.5 kDa

**SDS-PAGE:**

34-36 kDa, reducing (R) conditions

**Formulation:**

Lyophilized from 0.22  $\mu$ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

The cell-surface molecule CD9, a member of the transmembrane-4 superfamily, interacts with the integrin family and other membrane proteins, and is postulated to participate in cell migration and adhesion. Expression of CD9 enhances membrane fusion between muscle cells and promotes viral infection in some cells. It is often used as a mesenchymal stem cell marker.

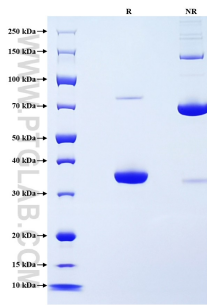
## References

- 1.Reyes R.et al.(2018) Front Immunol.9:863.
- 2.Brösseau C.et al.(2018) Front Immunol.9:2316.
- 3.Yang XH.et al.(2006) J Biol Chem.281:12976-85.
- 4.Berditchevski F.et al.(1999) J Cell Biol.146:477-92.
- 5.Hwang JR.et al.(2012) Carcinogenesis.33:77-83.

## Synonyms

CD9, 5H9, 5H9 antigen, BA2, BTCC 1

## Selected Validation Data



Purity of Recombinant Human CD9 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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